KRAMER ELECTRONICS, Ltd.
www.kramerelectronics.com

TP-580T

HDMI, Bidirectional RS−232 & IR over HDBaseT Twisted Pair Transmitter

The TP−580T is a high−performance, HDBaseT twisted pair transmitter for HDMI, bidirectional RS−232 and IR signals. The TP−580T inputs HDMI, RS−232, and IR signals and converts them into an HDBaseT twisted pair signal that it transmits to a TP−580R receiver.

FEATURES

- Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel).
- HDTV Compatible.
- HDCP Compliance.
- HDBaseT™ Technology.
- HDMI Support - Deep Color, x.v.Color™, Lip Sync, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS−HD, CEC.
- 3D Pass-Through.
- EDID PassThru - Passes EDID signals between the source and display.
- 2K & 4K Support.
- Bidirectional RS-232 & IR Interface. - Commands and data can flow in both directions via the RS−232 interface, allowing status requests and remote control of the destination unit.
- System Range - Up to 70m (230ft).
- Cable - For optimum range and performance using HDBaseT™, use Kramer's BC−HDKat6a cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using non−Kramer CAT 6 cable may not reach these ranges.
- Indicators - Status LEDs for input, output, link and power.
- Compact DigiTOOLS® - 3 units can be rack mounted side−by−side in a 1U rack space with the optional RK−3T universal rack adapter.

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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector.
OUTPUTS:	1 HDBaseT twisted pair RJ−45 connector.
PORTS:	1 IR on a 3.5mm mini jack, 1 RS−232 on a 9−pin D−sub connector.
BANDWIDTH:	10.2Gbps (3.4Gbps per graphic channel).
RS-232 BAUD RATE:	115200.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
POWER CONSUMPTION:	12V DC,275mA.
OPERATING TEMPERATURE:	0° to 40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
DIMENSIONS:	18.8cm x 11.4cm x 2.4cm (7.4" x 4.5" x 1.0") W, D, H.
WEIGHT:	0.6kg (1.4lbs).
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK−T2B 19” rack mount.